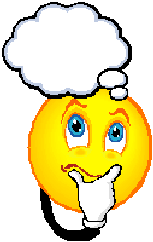
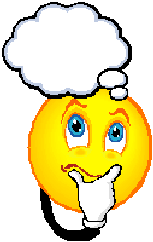
1.  POLARITY

Under “Lab Data & Observations”

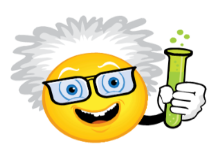
* 1. Introduction:
  + C:\Users\lfastovsky\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\3TBSR4RH\MC900440428[1].wmfInvestigation station: Water, Water Everywhere \_\_\_\_
* Assessment: Water Bending Do Now
  1. Dissolving and Solubility:
* C:\Users\lfastovsky\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\3TBSR4RH\MC900440428[1].wmfFormula Mass/ Molar Mass: Mini Lesson \_\_\_\_
  + - Assessment: Formula Mass Do Now
* Understanding molecules \_\_\_\_
* PhET simulation: Sugar and Salt Solutions \_\_\_\_
  + - Photo Steps of Dissociating & Dissolving \_\_\_\_

Assessment: Fusion Drop Box

* 1. Surface tension:
  + Investigations:
    - Pennies, Paper clips activity \_\_\_\_
    - Magic Trick: pepper, salt, soap \_\_\_\_
    - Milk soap and food coloring \_\_\_\_
    - Reading the meniscus of a liquid
    - C:\Users\lfastovsky\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\3TBSR4RH\MC900440428[1].wmfAccuracy & Precision in Measuring: Mini Lesson \_\_\_\_
    - Assessment: Formula Mass Do Now
    - Mercury vs Water \_\_\_\_

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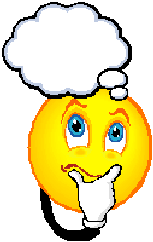
Assessment: Surface Tension Do Now

* 1. Reinforcement Activities (when needed)
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

WHOLE GROUP: Kool Aid Column Chromatography LAB (summative assessment)

1. Mixtures

Under “Lab Data & Observations”

* 1. Introduction:
  + Types of Mixtures Mini-Lesson: Heterogeneous vs Homogeneous \_\_\_\_
  + Type of Homogeneous & Heterogeneous Mixtures \_\_\_\_
    - Assessment: Classifying Matter Activity Do Now
  1. Properties:
* Physical & Chemical Properties
  + <http://education-portal.com/academy/lesson/matter-physical-and-chemical-properties.html#lesson>
    - Assessment: Do Now \_\_\_\_
* Physical & Chemical changes

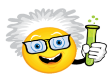
**Check in with me here!**

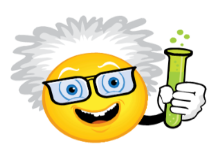
* + <http://education-portal.com/academy/lesson/states-of-matter-and-chemical-versus-physical-changes-to-matter.html#lesson>
    - Assessment: Do Now \_\_\_\_
* Solutions & solubility
  + Ethanol & water miscibility

\_\_\_\_

* Separation techniques
  + Investigations:
    - Chromatography – markers & filter paper \_\_\_\_
      * + Britta filter \_\_\_\_
    - Density Objects – bead bottle, toys \_\_\_\_
    - Magnets – wooly willy, nail polish, levitation \_\_\_\_

**Check in with me here!**

* + - Filtering – k-cups dissection, coffee filters \_\_\_\_
    - Distillation – online
      * worksheet & Particulate diagram \_\_\_\_
  + Assessment: sand, salt, iron
    - Materials & procedure, % recovery from demo \_\_\_\_



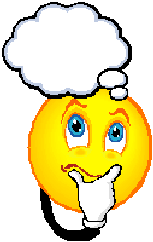
WHOLE GROUP: **FOUL WATER LAB (Anchor Task)**

1. STATES OF MATTER 

Under “Lab Data & Observations”

* 1. Introduction:
  + Webquest Investigation S, L, G \_\_\_\_\_
  + Heating and cooling curve for water intro \_\_\_\_\_
  + Science terms \_\_\_\_\_
* Do Now – Understanding solids, liquids, and gases



* Do Now – Heating and cooling curve for water
* **Assessment: Phases of water**
  1. Density: Changing water density with solute and temp
  + Mini lesson accuracy & precision - \_\_\_\_\_ \_\_\_\_\_

**Check in with me here!**

Graduated cylinders & Balances

* + Sugar/Salt water activity \_\_\_\_
* **Assessment: Lab - Density of a Liquid (Anchor Task)**
  + Real-world Density Situations
    - Halocline, Thermocline, Thermohaline current \_\_\_\_\_
      * Day after tomorrow
      * El Niño
  + Leidenfrost maze

<http://www.youtube.com/watch?v=vPZ7sx3EwUY> \_\_\_\_\_

* + Super cooling Activity \_\_\_\_\_
  1. Specific Heat :
* Specific Heat Investigations
  + Ice melting blocks \_\_\_\_
  + [http://www.amazon.com/Gourmet-Trends-Quick-Defrosting- Tray/dp/B003R248Q0/ref=sr\_1\_1?ie=UTF8&qid=1383327712&sr=8-1&keywords=miracle+thaw+defrosting+tray](http://www.amazon.com/Gourmet-Trends-Quick-Defrosting-%20%20Tray/dp/B003R248Q0/ref=sr_1_1?ie=UTF8&qid=1383327712&sr=8-1&keywords=miracle+thaw+defrosting+tray) \_\_\_\_

**Check in with me here!**

* **Assessment**: Dry Lab- Graph density vs. Specific Heat

WHOLE GROUP: **Assessment**: Specific Heat LAB

* 1. Pollution
* Arsenic & MTBE & Civil Action & Erin Brockovich/Research q’s \_\_\_\_\_